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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------------------------|-----------------------------------|----------------------|---------------------|------------------|
| 10/520,337 | 03/28/2005 | Claus Thybo | 6495-0090WOUS | 2586 |
| | 7590 07/31/200 aulding & Huber | EXAMINER | | |
| CityPlace II | - | RAHIM, AZIM | | |
| 185 Asylum Str Hartford, CT 06 | | | ART UNIT | PAPER NUMBER |
| , | | | 3744 | |
| | | | | |
| | | | MAIL DATE | DELIVERY MODE |
| | | | 07/31/2009 | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | Application No. | Applicant(s) | | | |
|--|--|--|-----------------------|--|--|--|
| Office Action Summary | | 10/520,337 | THYBO ET AL. | | | |
| | | Examiner | Art Unit | | | |
| | | AZIM RAHIM | 3744 | | | |
| Period fo | The MAILING DATE of this communication ap or Reply | pears on the cover sheet with the c | orrespondence address | | | |
| A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). | | | | | | |
| Status | | | | | | |
| 1) 又 | Responsive to communication(s) filed on 29 / | May 2009 | | | | |
| · | This action is FINAL . 2b) ☐ This action is non-final. | | | | | |
| ′= | Since this application is in condition for allowance except for formal matters, prosecution as to the merits is | | | | | |
| ٠,ڪ | closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. | | | | | |
| Dispositi | on of Claims | • | | | | |
| - 4)⊠ | I)⊠ Claim(s) <u>2-20</u> is/are pending in the application. | | | | | |
| • | 4a) Of the above claim(s) is/are withdrawn from consideration. | | | | | |
| | i) Claim(s) <u>2-20</u> is/are allowed. | | | | | |
| - | 6) Claim(s) <u>2-20</u> is/are allowed. | | | | | |
| · · | Claim(s) is/are objected to. | | | | | |
| • | Claim(s) are subject to restriction and/o | or election requirement. | | | | |
| | | | | | | |
| | on Papers | | | | | |
| | 9) The specification is objected to by the Examiner. | | | | | |
| 10)⊠ | The drawing(s) filed on <u>05 January 2005</u> is/are | | | | | |
| | Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). | | | | | |
| _ | Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). | | | | | |
| 11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. | | | | | | |
| Priority u | ınder 35 U.S.C. § 119 | | | | | |
| 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. | | | | | | |
| 2) Notic 3) Inforr | e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date 3/5/2009,3/20/2009,5/29/2009. | 4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other: | ate | | | |

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5/29/2009 has been entered.

Ex Parte Quayle

- 2. This application is in condition for allowance except for the following formal matters:
- 3. Claims 2-20 are objected to because of the following informalities: In claim 12, line 18 and claim 19 lines 26-27, the recitation "expansion device entry and exit" should be corrected to recite --the expansion device entry and exit--. In claim 7, line 3, the recitation "a refrigerant mass flow" should be corrected to recite --the refrigerant mass flow--. In claim 8, line 3, the recitation "a flow characteristic" should be corrected to recite --the flow characteristic--. In claim 9, line 4, the recitation "expansion device entry" should be corrected to recite --the expansion device entry--. In claim 14, line 4, the phrase --a fault indicator-- should be placed after the work "when." In claim 18, line 12 and claim 20, line 18, the recitation "flash gas" should be corrected to recite --the flash gas--. Appropriate correction is required.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

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A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Allowable Subject Matter

4. Claims 2-20 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AZIM RAHIM whose telephone number is (571) 270-1998. The examiner can normally be reached on Monday - Thursday 7am - 3pm EST and Friday 7am - 9:30am EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frantz Jules can be reached on 571-272-6681 or Cheryl Tyler at 571-272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. R./ Examiner, Art Unit 3744 7/15/2009 /Cheryl J. Tyler/ Supervisory Patent Examiner, Art Unit 3744